1 — General Information

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Battery endurance

Battery	Capacity (mAh)	Talk time	Stand-by
BP-5L	1500	up to 6 hrs	up to 12 days

Charging times

ACP-4
2 h 10 min

Environmental conditions

Environmental condition	Ambient temperature	Notes
Normal operation	-15ºC...+55ºC	Specifications fulfilled
Reduced performance	-25ºC...-15ºC +55ºC...+70ºC	Operational for shorts periods only
Intermittent operation	-40ºC...-15ºC +70ºC...+85 ºC	Operation not guaranteed but an attempt to operate does not damage the phone.
No operation or storage	<-40ºC...>+85ºC	No storage or operation: an attempt may damage the phone.
Charging allowed	-25ºC...+50ºC	
Long term storage conditions	0ºC...+85ºC	

DC characteristics

Signal	Min	Nom	Max	Note
VBAT	3.1V	3.7V	4.2V (charging high limit voltage	3.1V SW cut off

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Enhancement	Type
Advanced Car Kit	CK-7W
Mobile Charger	DC-4

Technical specifications

Transceiver general specifications

Unit	Dimensions (L x W x T)	Weight (g)	Volume (cm^3)
Transceiver with BP-5L 1500mAh li-ion battery back	117.1 x 69.7 x 17.8 / 13.3 mm	144 (including BP-5L battery)	103.4

Main RF characteristics for GSM850/900/1800/1900 phones

Parameter	Unit
Cellular system	GSM850, EGSM900 and GSM1800/1900
Rx frequency band	GSM850: 869-894 MHz
	EGSM900: 925 - 960 MHz
	GSM1800: 1805 - 1880 MHz
	GSM1900: 1930 - 1990 MHz
Tx frequency band	GSM850: 824-849 MHz
	EGSM900: 880 - 915 MHz
	GSM1800: 1710 - 1785 MHz
	GSM1900: 1850 - 1910 MHz
Output power	GSM850: +5 ... + 33 dBm/3.2mW .. 2W
	GSM900: +5...+31.2dBm / 3.2mW.. 1.3 W
	GSM1800: +0 ... +30dBm/1.0mW ... 1W
	GSM1900: 0...30.9dBm/1.0mW... 1.26W
Number of RF channels	GSM850: 123
	GSM900: 173
	GSM1800: 373
	GSM1900: 298
Channel spacing	200 kHz
Number of Tx power levels	GSM850: 15
	GSM900: 15
	GSM1800: 16
	GSM1900: 16

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Enhancement	Type
Wireless Boom Headset	HS-4W
Wireless Headset	HDW-3
Wireless Headset	HS-26W
Wireless Headset	HS-11W
Wireless Clip-on Headset	HS-21W
Wireless Headset	HS-36W
Wireless Headset	HS-58W

Table 2 Data

Enhancement	Type
Connectivity cable	DKE-2
Mini SD card 128 MB	MU-17
Mini SD card 256 MB	MU-18
Mini SD card 512 MB	MU-23
Mini SD card 1GB	MU-24

Table 3 Power

Enhancement	Type
Battery	BP-5L
Nokia Compact Charger	AC-3U
Nokia Travel Charger	AC-4U
Charger Adapter	CA-44

Table 4 Messaging

Enhancement	Type
Wireless Keyboard upgrade	SU-8W

Table 5 Positioning

Enhancement	Type
Wireless GPS Module update	LD-1W

Table 6 Car

Enhancement	Type
Wireless Plug-in Car Handsfree	HF-6W

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Productivity

- SMS, MMS and email
- MS Word, PowerPoint , Excel and Adobe PDF viewers
- PIM (Calendar & Contacts)
- Internet browser
- Video streaming (3GPP)
- Logs (last calls , timers and history list)
- Instant messaging
- Java™ MIDP 2.0, CLDC 1.13D API, PIM API, File access API
- MP3
- Data Transfer
- Settings Wizard/Access Point Configurator

Sales package

- Transceiver RM-88
- BP-5L Li-ion Battery Cell
- AC-4U Charger
- User Guide
- CD-ROM
- Headset HS-40
- USB Cable DKE-2
- Quick Start Guide

Product and module list

Module name	Type code	Notes
System/RF Module	1QR	Main PWB with components
EL-Dome sheet		
Chassis Assy		
Display Module		
Keyboard		
A-cover Assy		
SW Module		

Mobile enhancements

Table 1 Audio

Enhancement	Type
Mono Headset	HS-40
Basic Stereo Headset	HS-47

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RM-88 product selection

RM-88 is a GSM handportable phone, supporting the EGSM 850/900/1800/1900 bands.

The MMS implementation follows the OMA MMS standard release 1.2.

WAP 2.0 compatible browser supports XHTML Mobile Profile (MP) and uses a TCP/IP stack to communicate with a gateway in network.

RM-88 uses Symbian 9.1a operating system and supports also MIDP Java 2.0 & CLDC1.1, providing a good platform for 3rd party applications.

Figure 1 View of RM-88

RM-88 product features and sales package

Bearers & transport

- GSM Quadband World Phone E850/900/1800/1900 EGPRS (class B, Multislot class 11)

Software platform

- SW platform: Nokia Series 60 rel 3.0

Connectivity

- Bluetooth (Headset & Handsfree profiles, BIP, GOP)
- Mini SD Card
- Mini-USB interface
- PC Suite connectivity with USB & Bluetooth

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